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NOTICE OF ALLOWANCE AND FEE(S) DUE

23117

7590

04/22/2008

NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203 EXAMINER

OLSEN, KAJ K

ART UNIT PAPER NUMBER

1795

DATE MAILED: 04/22/2008

APPLICATION NO. FILING DATE			FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/759,175	01/20/2004	Kohei Yamada	2635-198	6669

TITLE OF INVENTION: GAS SENSOR WITH IMPROVED STRUCTURE OF PROTECTIVE COVER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	07/22/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notifica		ng the Patent, advance on nerwise in Block 1, by (a	rders and notification of rands) specifying a new corres	naintenance fees w spondence address;	ill be a and/or	mailed to the current (b) indicating a sepa	correspondence address as trate "FEE ADDRESS" for
		ock 1 for any change of address)	Fee((s) Transmittal. This ers. Each additional	s certif paper.	icate cannot be used f	r domestic mailings of the or any other accompanying nt or formal drawing, must
	7590 04/22 NDERHYE, PC LEBE ROAD, 11TH VA 22203			Cert	tificate	of Mailing or Trans	mission g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below.
							(Depositor's name)
							(Signature)
	_						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO:	RNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO	\$1440	\$300	\$0 1		\$1740	07/22/2008
EXAM		ART UNIT	CLASS-SUBCLASS				
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CFR 1.363). Change of corresp Address form PTO/SI "Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.	ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attach	(1) the names of up to or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent atto- listed, no name will be	ne name of a single firm (having as a member a tered attorney or agent) and the names of up to istered patent attorneys or agents. If no name is 1, no name will be printed.				
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee oletion of this form is NO	(B) RESIDENCE: (CITY	atent. If an assigne assignment. 'and STATE OR C	OUNT	RY)	ocument has been filed for
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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ARLINGTON, VA	x 22203		1795			
		DATE MAILED: 04/22/2008				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 709 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 709 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	10/759,175	YAMADA ET AL.				
Notice of Allowability	Examiner	Art Unit				
	KAJ K. OLSEN	1795				
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED in 5) or other appropriate commu RIGHTS. This application is s	this application. If not included nication will be mailed in due cours	se. THIS			
1. 🔀 This communication is responsive to the amendment and	d arguments of 2-4-2008.					
2. The allowed claim(s) is/are <u>1,3-11</u> .						
 3. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents ha 		or (f).				
Certified copies of the priority documents ha		n No				
Copies of the certified copies of the priority of the pri			rom the			
International Bureau (PCT Rule 17.2(a)).	documents have been received	in this national stage application is	om me			
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirer	nents			
4. A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which g			E OF			
5. CORRECTED DRAWINGS (as "replacement sheets") m	ust be submitted.					
(a) ☐ including changes required by the Notice of Draftspe	erson's Patent Drawing Review	ı (PTO-948) attached				
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	<u>_</u> ,					
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			i) of			
6. DEPOSIT OF and/or INFORMATION about the department attached Examiner's comment regarding REQUIREMEN			:he			
Attachment(s) 1. Notice of References Cited (PTO-892)	5. ☐ Notice of Int	ormal Patent Application				
 Notice of References Cited (PTO-992) Dotice of Draftperson's Patent Drawing Review (PTO-948) 		immary (PTO-413),				
2. Notice of Dranperson's Patent Drawing Review (P10-946	Paper No./	Mail Date .				
3. Information Disclosure Statements (PTO/SB/08),	7. 🔲 Examiner's	Amendment/Comment				
Paper No./Mail Date 3-13-2008 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	t 8. ⊠ Examiner's	Statement of Reasons for Allowand	e			
J. Diological Material	9.					

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: This examiner is withdrawing the outstanding rejection of the claims. With respect to the teaching of Makino, this reference does not teach nor render obvious the top cover having a top end that is located within a range defined between the first and second portions of the at least one gas hole of the second cover as required by claim 1. At best, fig. 6a and 6b show the top end being level with the top outer perimeter of the gas holes whereas claim 1 requires the top end be located in a range between a first and second portion of at least one gas hole. With respect to the teaching of Kato, this examiner does not believe motivation exists for locating all the holes of the first cover of fig. 11 closer to the base end of the cover assembly. Although Kato discloses embodiments having all of the gas holes 106 of the first cover above the gas holes 110 of the second cover (see fig. 7 and 9 for example), the gas holes of the second cover for these embodiments do not read on the defined first and second portions discussed above with reference to Makino. Moreover, the location of holes 106 in these earlier embodiments stemmed in part from the use in these earlier embodiments of an intermediate flange (e.g. 302 or 312 in fig. 7 and 9), which the embodiment of fig. 11 entirely lacks. There is no motivation to pick and choose the gas hole placements of the first cover of the various working examples for use with the gas hole placements of the second cover of comparative example of fig. 11 absent a particular suggestion from the prior art for doing so. Kato col. 14, 11. 22-30 (relied on by the previous examiner) does not motivate one to do so because all this passage states is that water invasion is prevented because of an intermediate element 104 and fig. 11 lacks any such intermediate element.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

On the IDS dated 3-13-2008, the reference to Kato has been lined through because this reference was already listed on an earlier PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KAJ K. OLSEN whose telephone number is (571)272-1344. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam X. Nguyen can be reached on 571-272-1342. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Kaj K Olsen/ Primary Examiner, Art Unit 1795 April 22, 2008